

WE CLAIM:

1. A method for of an active connection modify in a connection oriented communication network, comprising the steps of:
 - appending a trace transit list information element (TTL IE) to a modify mequest message;
 - transmitting said modify mequest message from a source node to a destination node along said active connection; and
 - at each node along said active connection, modifying a parameter of said active connection while recording in said TTL IE failure identification data..
2. The method of claim 1, further comprising:
 - generating a Modify Reject message at a node along said connection if said node does not enable modification of said parameter;
 - updating said TTL IE from said modify request message with failure cause information; and
 - appending said TTL IE to said Modify Reject message and returning said Modify Reject message to said source node.
3. The method of claim 1, wherein said failure identification data includes the logical node and logical port trace of the failed modify request.
4. The method of claim 1, wherein said failure identification data includes failure cause information.
5. The method of claim 4, wherein said failure cause information includes vendor specific information.

6. The method of claim 1, wherein said parameter is the bandwidth allocated to said connection.

7. The method of claim 1, wherein said failure to modify includes the capability of a node along said connection to support the modify of an active connection of said parameter.